Sabin Nițu

Founding engineer · AI systems in production · Full stack

CONTACT

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SUMMARY

Founder and hands-on engineer with over 10 years of designing and shipping complex production software: microservice architectures, multi-tenant SaaS, and systems integrated with live ERP and industrial data. For the past two years my focus has been AI in production. I own systems end to end, from architecture and data model through to infrastructure and evaluation.

EXPERIENCE

Founder / CEO 2018-present
XCODES S.R.L., Romania

Founded and run a software company delivering custom products for clients across manufacturing, distribution, retail and industrial sectors, from architecture through to production and long-term support. I set the technical direction, lead a small engineering team, and stay hands-on: I architect and write the systems below. The company also builds and operates its own products, where I own both the engineering and the commercial side. xcodes.com

Queried 2025-present
Multi-tenant AI assistant platform, live in production
Serves multiple companies from shared infrastructure, each with its own data, configuration and branding. Assistants connect to the client's own ERP and business systems and answer from live data rather than a static knowledge base, so responses reflect current inventory, pricing and records, with custom connectors built per system. Delivery surfaces include embeddable widgets for customer-facing and internal use, WhatsApp including group conversations, and real-time voice calls, with native iOS and Android apps alongside. I own the architecture, the retrieval pipeline, the infrastructure and the evaluation set. queried.ai

Chemfor 2026-present
Operations platform for the oil and drilling industry
End-to-end operational system covering well construction through to complete reporting, including fluid dynamics calculations. The most complex system the team has delivered. Internal application handling confidential data. chemfor.eu

XCODES Builder 2026-present
Website delivery platform
Internal platform for rapid website production, used across client projects. Currently in development: an AI assistant layer that interacts with the site it is embedded in. builder.xcodes.com

SalesOMMO 2024-present

AI-driven sales insights

Helps sales teams understand their customers and cut the time spent on manual research and preparation. Angular frontend, Laravel backend. `xcodes.com/work/salesommo`

YooLearn 2021-2022

Online meditation and learning platform

Vue.js and Tailwind frontend, Laravel backend. `xcodes.com/work/yoo-learn`

Earlier work at XCODES includes a custom ERP for a manufacturing company and a long run of custom web and mobile applications delivered for clients since 2018.

SKILLS

AI & LLM	Production LLM systems: retrieval pipelines over structured and unstructured sources, document extraction and classification, multi-step assistant workflows with tool use and fallbacks, human-in-the-loop checkpoints, evaluation sets, cost and latency tuning. Anthropic and OpenAI APIs, vector search, real-time voice and messaging channels.
Architecture	Microservices and service-to-service communication, multi-tenant SaaS, event-driven and queue-based processing, REST and webhook API design, caching and real-time layers, integration with third-party ERP and accounting systems. Systems designed from a blank page and taken through to production.
Backend	PHP / Laravel (Certified Laravel Developer), Node.js, Python. Queues and background workers, scheduled jobs, authentication and authorization, role-based access control.
Data	PostgreSQL, MySQL, Redis. Schema design for multi-tenant and high-volume catalogues, query optimization, migrations, backup and recovery strategy.
Frontend	JavaScript and TypeScript, React, Vue.js, Angular, Tailwind. Native iOS and Android via Ionic and Capacitor. Embeddable widgets and SDKs.
Infra & Ops	AWS, Hetzner, DigitalOcean, Cloudflare. Server provisioning and hardening, Docker, Laravel Forge, CI/CD pipelines, monitoring, health checks and alerting, staging-to-production release process.
Practice	Owning products end to end as the only engineer or as lead. Translating non-technical domain expertise into working systems, and shipping to real users on a deadline.

EDUCATION

BSc. Computer Science 2016-2019

University of Bucharest, Faculty of Mathematics and Computer Science

BSc. Economics 2013-2016

University of Bucharest, Faculty of Business and Administration

Certified Laravel Developer since 2022. `https://sabinnitu.com/laravel-certification`